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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 2

Application Number	10/678,562
Filing Date	October 3, 2003
First Named Inventor	Geoffrey R. Heintzelman
Group Art Unit	~~1624~~ 1626
Examiner Name	~~Not Yet Assigned~~ Robert Shiao
Attorney Docket Number	ORT-1662-CIP-2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		EL-TAWELL F. M. A. ET. AL.: "SYNTHETIC ROUTES TO FLUORENONE, INDENOPYIRDINE , 4H-NAPHTHOA2, 1-BUPYRANS AND PYRIDINE DERIVATIES" , Bolettino Chimico Farmaceutico, Societa Editoriale Farmaceutica, Milano, Italy, Vol. 140, No.5, 2001, pages 306-310, XP009025181, ISSN: 0006-6648 See compound 14	
		GOERLITZER K. ET AL: "INDENOA1, 2-DUPYRIMIDIN-4-YL-AMINE INDENOA1, 2UPYRIMIDIN-4-YL-AMINES" Pharmazie, Veb Verlag Volk Und Gesundheit. Berlin, DD Vol.52, No. 9, 1997 pages 670-672, XP001179310, ISSN: 0031-7144 see compounds 3, 6-8 and whole article, especially 2.2.1	
		BURGER K. ET. AL. 'TRIFLUORMETHYL-SUBSTITUIERTE PYRIMIDINE AUS ENAMINEN UND TRIFLUORACETONITRIL TRIFLUOROMETHYL-SUBSTITUTED PYRIMIDINES FROM ENAMINES AND TRIFLUOROACETONITRILE" Liebigs Annalen Der Chemie, Verlag Chemie GMBH Weinheim, DE, Vol. 5, 1984, pages 991-1002 XP001179309 ISSN: 0170-2041 see compund 18a	
		DEMERAC S. ET. AL.:"5H-INDENOA1, 2-DUPYRUMIDIN-5-ONES" AUSTRAILIAN JOURNAL OF CHEMISTRY, XX, XX, VOL. 25, 1972, PAGES 2651-2657, XP009025111 issn: 0004-9425 see coumpounds 5a-5e and 9-11	
		AUGUSTIN, M.: 'SYNTHESE UND REAKTIONEN VON 2-ABIS- (ALKLTHIO)-METHYLIDENU-INDAN-1, 3-DIONEN SYNTHESIS AND REACTIONS OF 2-ABIS-(ALKYLTHIO)-METHLIDENU-INDAN-1 ,3-DION", Journal Fuer Praktische Chemie, Wiley WeinHeim, DE, Vol. 321, No. 2, 1979, pages 205-214, XP009025100, ISSN: 1436-9966, see 11b, p.212 and 11c, p213	
		N EL-RAYYES; " HETEROCYCLES. 14. SYTHESIS OF 5H-INDENOPYRUMIDINES" J. Chem. Eng. Data, Vol. 32, 1987, pages 481-483, XP002270517 see formula VII, f,h,j, Va-k	
		KAPPE C. O. ET. AL. 'SYTHESIS AND REACTIONS OF BIGINELLI-COMPOUNDS. PART I" Journal of Heterocyclic Chemistry, Heterocorporation Provo, US, January 1989 (1989-01), pages 55-64, XP002952094, ISSN: 00220152X, see compound 29a	
		A. ROSOWSKY; 'ONE STEP SYTHESIS OF NOVE 2, 4-DIAMINOPYRUMUDUBE ANTIFOLATES" J. Heterocyclci Chemistry Vol. 36, 1999, pages 723-728, XP002270518 see 20(14)	
		KANDEEL, E.M. ET. AL.: "SYTHNESIS OF NEW 1, 2-DIHYDRO-4-AMINO-2-THIOXO-5H-INDENO 1, 2-D PYRIMIDIN-5-ONE DERIVATIES" Pakistan Journal of Scientific and Industrial Research, XX, XX, Vol. 29, No. 6, December 1986 (1986-12) pages 424-426, XP009025187 ISSN: 0030-9885 see V1a, V1b, Va, Vb	

Examiner Signature		Date Considered	08/31/05

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Sheet 4 of 3

Application Number	10/678,562
Filing Date	October 3, 2003
First Named Inventor	Heintzelman, G.
Group Art Unit	~~1624~~ 1626
Examiner Name	~~Not yet assigned~~ Rebecca Shin
Attorney Docket Number	ORT-1662-CIP-2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
B		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; KANDEEL, EZ-EL-DIN M.: "Synthesis of some new functionalized pyridines, 5-oxoindeno'1, 2-b!pyridines and related compounds of potential pharmaceutical interest" 136:200063 XP002220650 abstract & Mansura Science Bulletin, A; Chemistry (2000), 27(2), 35-49	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; SAUSINS, A. ET AL: "Methods of synthesis of 4-(pyridyl)-5-oxo-1, 4, 5, 7-tetrehyrofuro'3, 4-b!pyridines" 124:202067 XP002220651 & Khimiya Geterotsiklicheskikh Soedinenii (1995), (7), 966-72	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; GEIES, AHMED A. ET AL: "Synthesis of indeno'1, 2-b!pyridines and indeno'1, 2-b!thieno'3, 2-e!pyridines" 128:244011 XP002220652 & Bulletin of the Polish Academy of Sciences, Chemistry (1997), 45(4), 381-390, 2 plates,	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; LUSIS, V. ET AL: "Synthesis and isomerization of 1H-4, 4a, 5, 9b-tetrahydroindeno'1, 2-b!pyridines" 116:20903 XP002220653 & Tetrahedron (1991), 47(35), 7429-36	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; ZANDERSONS, A. ET AL: "Synthesis of substituted 5-oxoindeno'1, 2-b!pyridinium salts" 105:208733 XP002220654 & Khimiya Geterotsiklicheskikh Soedinenii (1986), (1), 88-90	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; STANKEVICH, E. ET AL: "Polynuclear heterocyclic compounds. XIII. New derivatives of 9, 11-dioxo-10-phenyl-11H-indeno'1, 2-b!tetrahydroquinoline" 59:35503 XP002220655 & Latvijas Psr Zinatnu Akad. Vestis, Kim. Ser. (1962), (no. 2), 283-6	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, US; VANAGS, G. ET AL: "Polynuclear heterocyclic compounds. VI. 4, 6 -Diphenyl – 2, 3 – (CO) – benzoylenepyridine" 58:14816 XP002220656 & Zh. Obshch. Khim. (1962), 32, 1151-9	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, VIGANTE, B. ET AL: "Ethyl esters of 1, 4-dihydropyridine-3, 5-di- and 2-methyl-4-aryl-5oxo-4, 5 dihydro-1H-indeno'1, 2-b!pyridine-3-carbothionic acids" 101:6372 XP002220657 & Khim. Geterotsikl. Soedin. (1984), (2), 210-16	
B		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, VIGANTE, B. ET AL: "Infrared absorption of 4, 5-dihydorindeno'1, 2-b!pyridines" 112:97907 XP002220658 & Khimiya Geterotsiklicheskikh Soedinenii (1989), (5), 629-32	

Examiner Signature		Date Considered	09/24/05

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Sheet 4of 4

Application Number	10/678,562
Filing Date	October 3,, 2003
First Named Inventor	Heintzelman, G.
Group Art Unit	~~1624~~ 1620
Examiner Name	~~Not yet assigned~~ Robert Shiao
Attorney Docket Number	ORT-1662-CIP-2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, ZANDERSONS, A. ET AL: "Synthesis of substituted 5-oxoindeno'1, 2-b!pyridinium salts" 105:208733 XP002220659 & Khimiya Geterotsiklicheskikh Soedinenii (1986), (1), 88-90	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, VIGANTE, B. ET AL: "Synthesis and properties of 5-oxo-1, 4-dihydroindeno'1, 2-b!pyridine-3-casbothiolic acid esters" 95:7009 XP002220660 & Latv. Psr Zinat. Akad. Vestis, Kim. Ser. (1980), (6), 707-16	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, MUCSENIETCE, D. ET AL: "Reduction and basic hydrolysis of 5-oxoindeno'1, 2-b!pyridinium salts" 107:236463 XP002220661 & Khimiya Geterotsiklicheskikh Soedinenii (1987), (1), 86-9	
		GOERLITZER, K. ET AL: "Indeno(1,2-b)pyridin-4-yl-amine" Pharmazie, vol. 52, no. 7, 1997, pages 504-510, XP002211131 ISSN: 0031-7144 cited in the application page 506; compounds of formulae 8b-10b compounds excluded by proviso	
Examiner Signature		Date Considered	08/27/08

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Confirmation Number	2537
Application Number	10/678,562
Filing Date	10/03/2003
First Named Inventor	G. R. Heintzelman
Group Art Unit	~~1624~~ 1626
Examiner Name	Robert Shiao
Attorney Docket Number	ORT 1662-CIP.2

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.[1]	U.S. Patent Document: Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
RG		6,063,788	A	Brandes et al.	05-16-2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.[1]	Foreign Patent Document: Office[3]	Number[4]	KindCode[5]	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T[6]
RG		EP	0 825 184	A1	Bayer AG	02-25-1998	See corresponding US 6,063,788	No
		WO	94/09002	A1	Merck & Co., Inc.	04-28-1994		
		WO	99/03846	A1	Bayer Aktiengesellschaft	01-28-1999	English Abstract Only	No
		WO	00/42019	A1	BYK Gulden Lomberg Chemische Fabrik GmbH	07-20-2000		
		WO	00/68230	A1	Darwin Discovery Limited	11-16-2000		
		WO	01/21621	A1	Ortho-McNeil Pharamaceutical, Inc.	03-29-2001		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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RG		Database CHEMCATS 'Online" (2002-02-11) , Interbioscreen Compound Library: 2002:3027027, XP002220645.	
		Database CHEMCATS 'Online' (2002-01-21) , Ambinter: Exploratory Library: 2002:2845045, 2002: XP002220646	
		Database CHEMCATS 'Online' (2002-01-21) , Ambinter: Exploratory Library: 2002:1552297, XP002220647	
		Database CHEMCATS 'Online' (2002-01-15) , Bionet Research: 2001:2494341, 2001:2494321, XP002220648	
		Database CHEMCATS 'Online' (2001-07-01) , Compounds for Screening: 2001:1603530, XP002220649	
		Database CA 'Online' Chemical Abstracts Service, Columbus, OH, ZANDERSONS, A. ET AL: "Synthesis of substituted 5-oxoindeno'1, 2-blpyridinium salts" 105:208733 XP002220662 & Khimiya Geterotsiklicheskikh Soedinenii (1986), (1), 88-90	
		Database CHEMCATS 'Online' (2002-07-09) Interchim Intermediats: 2002:2525250 and other XP002220663	
		Database CHEMCATS 'Online' (2002-07-09) Interchim Intermediats: 2002:2403473,-3487,-3488,-3489 and 2002:2548348 XP002220664	
		Database CHEMCATS 'Online' (2002-07-09) Interchim Intermediats: 2002:3011492 to 2002:3011513 XP002220665	

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Sheet 2 of 3

Confirmation Number	2537
Application Number	10/678,562
Filing Date	10/03/2003
First Named Inventor	G. R. Heintzelman
Group Art Unit	~~1624~~ 1626
Examiner Name	Robert Shiao
Attorney Docket Number	ORT 1662-CIP.2

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		AFSAH, E.M. et al.: "Introduction of some pharmaceuticially active heterocycles into the benzylic moiety of 2-benzyl-1,3-indandione"; Pharmazie 45 (1990), H.4, pp. 255-257.	
		ASCHERIO, A. et al: "Prospective Study of Caffeine Consumption and Risk of Parkinson's Diesease in Men and Women"; Annals of Neurology, 2001, 50, pp. 56-63.	
		BOCKER, R.H. et al.: "Oxidation of 4-Aryl-and 4-Alkyl-Substituted 2,6-Dimethyl-3,5-bis(alkoxycarbonyl)-1,4-dihydropyridines by Human Liver Microsomes and Immunochemical Evidence for the Involvement of a Form of Cytochrome P-450"; J. Med. Chem. 1986, 29, pp. 1596-1603.	
		BRADLEY, G. et al.: "2,3-Dihydroquinolin-4(1H)-ones. Part I. Halogen-substituted 2,3-Dihydroquinolin-4(1H)-ones and their 1-(2-Acylethyl) Derivatives"; J. Chem. Soc., Perkin Trans. 1, 1972, pp 2019-2023.	
		BULLINGTON, J.L. et al.: "The Development of NOvel and Selective p56lck Tyrosine Kinase Inhibitors[1]"; Bioorg. Med. Chem. Lett. 1998, 8, pp. 2489-2494.	
		CHATTERJEA, J.N. et al.; "Synthesis in the 4-Azafluorene Group. Part III"; J. Indian Chem. Soc., Vol. LV, 1978, pp. 149-153.	
		CHEN, J.F. et al.: ""Neuroprotection of Caffeine and A_{2A} Adenosine Receptor Inactivation in a Model of Parkinson's Disease"; J. of Neuroscience, 2001, Vol. 21 RC143, pp. 1-6.	
		CHEN, W. et al.: "A Colorimetric Assay for Measuring Activation of G_s-G_q-Coupled Signaling Pathways"; Analytical Biochemsitry, 1995, 226, pp. 349-354.	
		FERRE, S. et al.: "Stimulation of high-affinity adenosine A_2 receptors decreases the affinity of dopamine D_2 receptors in rat striatal membranes"; Proceedings of the Nat'l Academy of Sciences of the USA, 1991, 88, pp. 7238-7241.	
		FINK, J.S. et al.: "Molecular cloning of the rat A_2 adenosine receptor: selective co-expression with D_2 dopamine receptors in rat striatum"; Molecular Brain Research, 14 (1992), pp. 186-195.	
		GESSI, S. et al.: "A_{2A} adenosine receptors in human peripheral blood cells"; British J. of Pharm., 2000, 129, pp. 2-11.	
		IKEDA, K. et al.: "Neuroprotection by adenosine A_{2A} receptor blockade in experimental models of Parkinson's disease"; J. of Neurochemistry, 2002, 80, pp. 262-270.	
		IMPAGNATIELLO, F. et al.: "Adenosine receptors in neurological disorders"; Emerging Therapeutic Targets, 2000, 4, pp. 635-664.	
		JURSIC, B.S. et al.: "A Simple Preparation of Amides from Acids and Amines by Heating of their Mixture"; Synthetic Comm. 1993, 23, pp. 2761-2770.	
		KOBAYASHI, T. et al: ""Novel 2-Amino-1,4-dihydropyridine Calcium Antagonists. I. Synthesis and Antihypertensive Effects of 2-Amio-1,4-dihydropyridine Derivatives Having Nitroxyalkoxycarbonyl Groups at 3- and/or 5-Position"; Chem. Pharm. Bull. 1995, 43, pp. 788-796.	
		LI, L. et al.: "CD3- and CD28-Dependent Induction of PDE7 Required for T Cell Activation"; Science, 1999, Vol. 283, pp. 848-851.	
		MALLY, J. et al.: "Efficacy of an adenosine antagonist, theophylline, in essential tremor: comparison with placebo and propranolol"; J. of the Neurological Sciences, 1995, 132, pp. 129-132.	

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RS		MARTINEZ, A. et al.: "Benzyl Derivatives of 2,1,3-Benzo- and Benzothieno[3,2-a]thiadiazine 2,2-Dioxides: First Phosphodiesterase 7 Inhibitors"; J. Med. Chem. 2000, 43, pp. 683-689.	
		OGAWA, T. et al.: Synthesis and Configurational Assignment of Methyl 3-Nitrooxypropyl 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate"; J. Chem. Soc. Perkin Trans 1, 1993, pp. 525-528	
		OMUARU, V.O.T.: "Reactions of cyclic anhydrides with aromatic primary amines: Part 3– Synthesis of novel 3-(*N*-arylcarbamoyl)-and 3-(*N*-naphthylcarbamoyl)carboxylic acids"; Indian J. of Chem., 1998, Vol. 37B pp. 814-816.	
		PETROW, V. et al.: "New Syntheses of Heterocyclic Compounds. Part X. 4-Azafluorenones"; JCS, 1949, pp. 2134-2139.	
		REDDY, A.S. et al.: "A convenient method for the preparation of hydroxamic acids"; Tetrahedron Letters 41 (2000), pp. 6285-6288.	
		ROSE, U.: "5-Oxo-1,4-dihydroindenopyridines: Calcium Modulators with Partial Calcium Agonistic Activity"; J. Heterocyclic Chem., 27, (1990), pp. 237-242.	
		ROSIN, D.L. et al.: "Immunohistochemical Localization of Adenosine A_{2A} Receptors in the Rat Central Nervous System"; The J. of Comparative Neurology, 1998, 401, pp. 163-186.	
		SALIM, H. et al.: "Activation of Adenosine A_1 and A_{2A} Receptors Modulates Dopamine D_2 Receptor-Induced Responses in Stably Transfected Human Neuroblastoma Cells"; J. of Neurochemistry, 2000, 74, pp. 432-439.	
		SAUSIN'SH, A. et al.: "Methods for the Synthesis of 4-Pyrazolyl- and 4-Pyridyl-5-Oxo-1,4,5,7-Tetrahydrofuro[3,4-b]Pyridines"; Chem. of Heterocyclic Compounds, Vol 31, No. 7, 1995, pp. 841-846.	
		STILES, G. et al.: "Adenosine Receptors"; The J. of Biological Chem., 1992, Vol. 267 No. 10, pp. 6451-6454.	
		VANDEN EYNDE, JJ. et al.: "Old Reagents, New Results: Aromatization of Hantzsch 1,4-Dihydropyridines with Manganese Dioxide and 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone."; Tetrahedron, 1995, Vol. 51, No. 23, pp. 6511-6516.	
		VARANI, K. et al.: "Pharmacological and biochemical characterization of purified A_{2a} adenosine receptors in human platelet membranes by [^{3}H]-CGS 21680 binding"; British J. of Pharmacology, 1996, 117, pp. 1693-1701.	
		VIGANTE, B.A. et al.: "Infrared Absorption of 4,5-Dihydroindeno[1,2-b]Pyridines"; Chem. Het. Compounds, 25(5) 1989, pp. 524-527.	Yes
		WEISSMAN, S.A. et al.: "Efficient Synthesis of *N*-Arylpiperazinones via a Selective Intramolecular Mitsunobu Cyclodehydration"; Tetrehedron Lett. 1998, 39, pp. 7459-7462.	
		ZANDERSONS, A.Z. et al.: "Synthesis of 5-Oxoindeno[1,2-b]Pyridinium Salts; Chem. Het. Compounds 22(1), 1986, pp. 73-76.	
		ZIMMER, H. et al.: "Substituted γ-Lactones. 28.[1] 3-(Phenylmethylene)2-3,4(3*H*,5*H*)-furandiones.; J. Org. Chem. Vol. 43, No. 8, 1978, pp. 1541-1544.	
		CHEMICAL ABSTRACTS, vol. 59, no. 6, 16 Sept. 1963; XP-002211132.	

Examiner Signature		Date Considered	8/31/05

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	Application Number	10/678,562
	Filing Date	October 3, 2003
	First Named Inventor	Geoffrey R. Heintzelman
	Group Art Unit	~~1624~~ 1626
	Examiner Name	~~Not Yet Assigned~~ Robert Shiao
	Attorney Docket Number	ORT-1662-CIP-2

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.[1]	Name of Patentee or Applicant of Cited Document	U.S. Patent Document Number	Kind Code[2] (if known)	Pages, Columns, Lines, where relevant passages or relevant figures appear

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		PCT Search Report dated January 3, 2004, for PCT APPL. NO. PCT/US03/31471	

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Sheet 4 of 1

Application Number	10/678,562
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Examiner Name	~~Not Yet Assigned~~ Richter Shin
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RS		JP	2001 139556	A	Nippon Soda Co. LTD	04-29-2001	With its English Abstract	
		WO	93 08167	A	Nippon Soda Co.	04-29-2001	With its English Abstract	
		WO	01 62233	A	Hoffman L Roche	08-30-2001		
		WO	02 085894	A	Ortho-McNeil Pharm. Inc.	10-31-2002		
		WO	03 088963	A	Ortho-McNeil Pharm. Inc.	10-30-2003		

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Page 1 of 1

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RS		PCT International Search Report dated November 25, 2002, for corresponding PCT application US02/30825.	
RS		PCT International Search Report dated August 27, 2002, for corresponding PCT application US02/11823.	

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Robert Shiao 3/29/05